Gis & Web S.r.l. is a Company operating in the provision of Web solution for geographical local management by means of Open Source technology. The company is made up of a multidisciplinary team with a long experience in geographical information systems and distributed applications on the Internet platform.

The Company was founded in January 2005 and currently operates for and on behalf of countless private and public customers, mostly local bodies; for the latter it designed, carried out and installed S.I.T./G.I.S. systems meant for different operative environments, from urban planning to the environment, from mobility to geomarketing, from cultural heritage promotion to constriction permit management.

Gis & Web S.r.l. has taken care of a number of migration processes from proprietary platform-based systems towards Open Source technologies, by implementing an array of integration and interoperability patterns for application environments. It promotes and supports GFOSS initiatives, including **GisClient** development, that is, a flexible and powerful web-gis solution, released with GNU/GPL 3 licence.

GisClient

GisClient is a software developed for a web environment, in order to manage evolved GIS projects with a suite of simple functionalities.

The GisClient is equipped with a comprehensive array of powerful and flexible tools to design Project and Service reference systems for GIS-mode geographical information: besides the map, the system provides browsing and query tools, printing options and access rules.

By providing an intuitive and exhaustive interface for UMN MapServer and by making the most of PostgreSQL/Postgis, GisClient meets the requirements for geo-spatial information distributed service design and management, also with particularly complex Data Warehouses.

Released with GNU/GPL 3 licence - http://www.gisclient.org

Our solutions

"...*database, web and open source...*"

The implementation of Geographical Information Systems (SIT/GIS) may take place by means of different **data** and **function distribution** models, which depend on customers' requirements but also on the degree of technology evolution required by the solution. Undoubtedly the system must be targeted to three goals, which are meant to certify its degree of quality: reliability, scalability and usability.

Our experience brought us to select three ingredients that provide a pivotal contribution to accomplishing suitable solutions for the most diverse requirements, by size and operating specifics: data management by means of spatial **RDMBS**; development of **web-oriented** applications; use of **Open Source** technology.

- ✓ Information systems must be managed with proper tools; SIT/GIS are information systems.
- ✓ The support provided by RDBMS to spatial entities has achieved a very high quality, thus it guarantees stability, reliability and performance.
- ✓ The broader data communication band allows to develop and manage distributed applications that exploit Internet potential to the fullest and do not neglect high safety standards.
- ✓ The tendency to enhance web-oriented solutions is confirmed by public funding being diverted towards the industry, e.g. the Public Connectivity System (SPC), which is bound to become the priority tool for horizontal and vertical interoperability.
- ✓ Free solutions, as technologically complex as they may be, from having to be installed on a single machine; this greatly improves management rationalization and optimization.
- ✓ Open Source provides technologically mature and reliable solutions and undoubtedly allows to keep costs under further control, and solves the issue of licensed use.
- ✓ Open Source makes it possible to enforce beneficial practices in the Public Administration, such as "re-use", only theoretically enforceable with proprietary technology-based solutions.

When we carry out our projects, within the countless options provided by open Source, we use preferentially a set of well-established and widespread solutions.

- ✓ Operating system: Linux, in its various releases: Debian, Ubuntu, Suse ...
- ✓ RDBMS PostgreSQL with Postgis spatial expansion (http://www.postgres.org http://www.postgis.org)
- ✓ Apache Web Server
- ✓ UMN MapServer cartography server (http://mapserver.gis.umn.edu/)
- ✓ CMS Zope/Plone (http://www.plone.org)
- ✓ Web-oriented programming languages such as php, jsp, Python, Javascript, HTML and AJAX/RPC technology

Our services

GIS & WEB S.r.l. provides a very comprehensive range of services, covering all facets involved in Geographical Information system management.

It operates equally on own Server Web infrastructures or other systems provided by the client.

- ✓ Provision of ASP services ASP (Application Service Provider) with customized third level domain activation including the following features:
  a. Design of Portals for geographical information and web application access.
  b. Software for applications for planning permission management.
  c. Software for management of conditional amnesty for work done without planning permission.
  d. Automatic CDU issue (Certificate of Town Planning Use Class).
  e. Integrated cartography visualization.
- ✓ On-site SIT/GIS projects on web or local platform; development of customized applications and implementation of integration models on existing solutions.
- ✓ Design, analysis and development of software solutions in a web environment.
- ✓ Design and implementation of GIS data models.
- ✓ Cartography services: map digitalization, generation of thematic cartography with GIS analysis, Topography Database structure.
- ✓ On-site and remote maintenance and assistance on web-gis platforms.
- ✓ Training.
- ✓ Consulting.

Recent contracts

Among the contracts we were appointed, it is worth mentioning the most relevant ones, those that truly embody our expertise.

Provincia del Verbano Cusio Ossola

www.provincia.verbania.it

Prototype definition of Web GIS application solutions in an Open Source environment.

Provincia della Spezia

siti.provincia.sp.it

Definition of an S.I.T.I. system project fully based on open code technology: PostgreSQL/Postgis, UMN MapServer, GisClient.

The project is comprised of the implementation of a number of Web-Gis services to be used by several departments within the authority, both with public and restricted visibility.

The entire platform uses CMS Plone as "information supplement".

Comune della Spezia

www.comune.sp.it

Migration toward Open Source technology and widening of the functions featured in "Portale per il Cittadino", a portal meant to provide several georeferred, town planning, road network, and planning information; the portal also provides interactive services for citizens and professionals, such as CDU (Certificate of Town Planning Use Class) issue, map printouts and review of procedure progress.

The solution is operative on the municipal Servers and was developed with OSS technology: Linux RedHat, Apache/MapServer, Postgres/Postgis.

The environment is integrated with the cartography back-end part running on ESRI proprietary technology and several management applications, referred to different RDBMS (Oracle, SQL Server, etc...).

*A further enhancement of the same contract for **Camera di Commercio della Spezia** (Chamber of commerce of La Spezia) included a web application for the analysis of economic data and businesses located in the municipal area.*

*Further development brought service portals connected with the geographical information system, such as the **Town planning**, **Mobility and Track network** service.*

Centro servizi territoriali area cremonese for IRIDE S.p.a.

Upon appointment from multiservice company AMGA s.p.a. (now IRIDE s.p.a.) we devised and it is currently under installation the web distribution for the cartography of approximately 60 municipalities in the province of Cremona.

The technology we used is: Linux/Debian on cluster Server managed by heartbeat, Apache/MapServer, Postgres/Postgis. The environment is fully integrated with the cartography back-end part running of Autodesk, Topobase and Oracle platform.

Comune di Vezzano Ligure (SP)

Provision of ASP-modality services for web-platform management (now on intranet) of the municipal cartography, issue of CDU (Certificate of Town Planning Use Class) and full management of applications for planning permission.

The solution is operative on our Servers (Linux/Debian) and was developed with Apache/MapServer, Postgres/Postgis. The cartography was entirely built by GIS & WEB S.r.l., including land registry cartography digitalization according to the requirements issued by Agenzia del Territorio.

Comune di Sestri Levante (GE)

Implementation of the cartography distribution service on a web platform and through Open Source technology.

In bundle with Bentley's cartography back-end tools and in connection with the application for planning permission management system, we developed a cartography management system on a web platform, on servers located at the Town Hall (Linux/Suse) and Apache/MapServer, Postgres/Postgis technology.

Comune di Ceriale (SV)

www.comune.ceriale.sv.it

Provision of ASP-modality services for web-platform management of the municipal cartography, issue of CDU (Certificate of Town Planning Use Class) and full management of applications for planning permission.

The solution, installed with our servers (Linux/Debian) is developed on Apache/MapServer, Postgres/Postgis., and is derived from a full migration from an Autodesk proprietary system, the applications for planning permission being designed by a local supplier.

Currently the Municipality of Ceriale provides access to map browsing tools in its institutional portal site.

For a comprehensive overview of the clients and the contracts, please visit the website http://www.gisweb.it

Sistemi informativi Territoriali Open Source

GIS & WEB S.r.l.

Via Gramsci 27/9

16126 GENOVA

www.gisweb.it

info@gisweb.it

tel. +39.010.247.44.91

fax. +39.010.941.21.32